

Name of work : Operation and maintenance for Vellanad-Chettachal Road (21.90 km) for the year 2021-22 under Rehabilitation of State Highways and Major District Roads-Package B

INKEL LIMITED

Door No. 7/473ZA – 5 & 6, 2nd Floor, Ajiyal Complex,
Kakkanad, Cochin – 682030
(Phone: 0484 - 2978101)

No. NIQ/INKEL/EKM/2021-22/146

Date: 19th April 2021

NOTICE INVITING QUOTATION

Name of Work: Operation and maintenance of Vellanad - Chettachal Road (21.90 km) for the year 2021-22 under Rehabilitation of State Highways and Major District Roads-Package B

Sealed quotations are invited by M/sINKEL Limited (on behalf of INKEL-EKK Roads Pvt Ltd), having its registered office at Door No. 7/473ZA – 5 & 6, 2nd Floor, Ajiyal Complex, Kakkanad, Cochin 682030, so as to reach the undersigned on or before **29/04/2021** up to 2.30pm for carrying out the Operation and maintenance of Vellanad - Chettachal Road (21.90 km) for the year 2021-22. The quotations received will be opened at 3.00pm on the same day. The description of works to be carried out are listed in the attached Bill of Quantities. The rates quoted shall be final and all-inclusive and nothing extra will be paid on any account.

Specific Conditions

- Rates quoted shall be inclusive of GST, PF, ESI, Insurance charges etc.
- Routine maintenance items are to be carried out at site on daily basis.
- Supply of labour for PMU is @ 5 Nos labour per day on all working days except Sundays.
- For Supply of labour , working time is from for 8 am to 5: 30 pm.
- Accommodation & conveyance of labour is in Contractor scope.
- Safety of workers and surrounding shall be the responsibility of the Contractor.
- Necessary barricades, warning boards , etc are to be provided wherever required.
- Necessary tools and plants required for the work are to be provided by the Contractor .

1. Eligibility Criteria

The intending bidders should have completed at least one work of similar nature within the last 3 years.

2. Issue Of Quotation

The intending bidder, who has the requisite experience in this field, can obtain the quotation formats from INKEL Office on any working day between 10am&4pm up to 28/04/2021, free of cost. Quotation formats can also be downloaded from our website www.inkel.in

3. Item Rate Contract

This work shall be item rate contract inclusive of all taxes. The contractor's rate must be firm and include the cost of transportation of materials to the site.

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4. Location of Site–Vellanad - Chettachal Road (21.90 km)

5. The intending bidders should visit the site before submission of quotation. For site visit, contact Ph-8943656907

6. The successful bidder has to sign an agreement with M/s INKEL Limited on non-judicial stamp paper worth Rs.200/- within 7 days of receipt of the acceptance letter.

7. Performance Guarantee and Performance Security Deposit

Not Applicable

8. Period Of Construction

The period of contract shall be **1year**. Commencement of the work shall be considered from the 7th receipt of acceptance letter.

9. All Inclusive Rates

The contractor's rate must be firm and include the cost of transportation, loading/unloading of materials to the site, statutory levies & applicable cess etc and the fixing or placing in position for which the item of work is intended to be operated. **The rates quoted by the contractor shall be firm throughout the contract period and there shall be no upward revision of the rates quoted by the contractor for any reasons whatsoever.**

10. Compensation For Delay

Not Applicable

11. Defects Liability Period

Not Applicable

12. Co-Ordination Of Work

The contractor must co-ordinate with other contractors involved in other related works within the site to minimize the disruption of continuous works.

13. Water And Electricity

The contractor shall make his own arrangement for water and electricity required for the work. INKEL shall take no responsibility for the supply of either electricity or water.

14. The site should be kept clean and the surplus materials and unwanted debris should be removed / disposed to a proper place by the contractor or moved to a location as directed by INKEL.

15. Payment terms

All payments will be processed within 15 days thereof on submission of correct invoice and bill by you , along with the payment certificate issued by Project Manager ,INKEL. Also along with the

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Invoice you should submit details of proof of ESI & EPF remittance of the workers engaged for this work, ECR Challan, Wage Register, Muster Roll Copy register of each employee worked for the assignment as certified by Project Manager , INKEL.

Managing Director
INKEL Limited
Cochin -682030

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Schedule of Quantities

Sl No	Description	Unit	Quantity	Rate	Amount
A	Maintenance works & PMU Labour				
1	VEGETATION CLEARANCE				
1	Clearing vegetation in shoulders and slide slopes				
a	Supply of Grass cutter for Clearing grass including hire charges for grass cutting machine , operator, fuel , thread and other consumables (all inclusive.) The rate to include cost of placing Caution Boards (Men at work) and necessary barricading	Hr	3,584.00		
2	Branch cutting of trees				
a	Tree cutter with Chainsaw , ladder and all tools	Day	20.00		
2	SHOULDER CLEARANCE				
1	Maintenance of Earthen Shoulder (filling with fresh soil) Making up loss of material/irregularities on shoulder to the design level by adding fresh approved soil and compacting with appropriate equipment.				
a	Supply of good quality murrum/Earth including loading conveyance and unloading at site	Cum	250.00		
b	Labour for spreading earth& compaction	Day	67.00		
c	Plate compactor for shoulder stabilization	Day	8.00		
2	Shoulder concreting with Plain cement concrete 1:2:4 nominal mix in foundation with crushed stone aggregate 20 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days, including excavation , dressing and bed compaction	Cum	29.75		
3	DRAINAGE WORKS				
1	Earthen Drains cleaning and restoration				
a	Supply of labour with tools for existing earthen Drain cleaning	Day	56.00		
b	Supply of JCB for new and filled up earthen drain excavation	Hr	23.00		
c	Supply of Tipper(150ft) for debris shifting	Day	4.00		
2	Supply of labour for cleaning of RCC drain under footpath by manual means, water jetting etc including removal of cover slab	Day	60.00		
3	Supply of labour for Removal and re fixing of RCC cover slabs over drain	Day	25.00		

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4	Supply of labour for removal of earth from the choked RCC drain and disposing it on the valley side manually	Day	129.00		
5	Construction, conveyance and fixing of precast RCC cover Slab of M20 Grade for drain including cost of steel reinforcement, aggregate size not exceeding 12 mm, true to line and grade, complete as per approved drawings and technical specifications.	Cum	1.50		
4	CULVERTS CLEANING				
1	Cleaning of vegetation & culvert catch pit, Vents and stream cleaning				
a	Supply of labour for culvert cleaning	Day	53.00		
5	LAND SLIDE CLEARANCE				
1	Clearance of land slides in soil and ordinary rock by JCB or equivalent and disposal of the same on the valley side	Hr	20.00		
6	PAVEMENT WORKS				
1	Filling Pot-holes and Patch Repairs with Bituminous concrete, 40mm. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 504, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 - For grading I Material	cum	5.00		
2	Repairing potholes with instant pothole repair mix.as per IRC :116-2014- (25kg/bag)	Bag	25.00		
7	REPAIR WORKS- STRUCTURES				
1	Earth work in excavation for foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.Ordinary soil - Manual Means - (Depth upto 3 M)	Cum	12.00		
2	Random Rubble masonry (coursed/uncoursed) work in cement mortar 1:3 for substructure complete as per drawing and Technical Specifications	Cum	10.00		

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3	Plain cement concrete 1:2:4 nominal mix in foundation with crushed stone aggregate 20 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.	Cum	7.50		
4	Supplying, Bending and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications	Kg	150.00		
8	PAINTING WORKS				
1	Painting two coats with synthetic enamel paint in all shades on hand rails , posts, pipes etc				
a	Supply of Enamel Paint - (Berger SYN Enamel or equivalent)	Ltr	380.00		
b	Labour rate for Painting Hand rails	Mtr	5,500.00		
c	Labour rate for Painting road sign posts	Mtr	1,000.00		
2	Providing and applying two coats of ready mixed exterior emulsion approved brand on masonry/concrete surface after thorough cleaning of surface to give an even shade				
a	Supply of Exterior emulsion paint Asian Paints (Apex Weatherproof Exterior Emulsion or equivalent)	Ltr	537.00		
b	Labour for Painting road kerbs	Mtr	5,500.00		
c	Supply of painters for Parapets, guard stone etc	Day	25.00		
9	ROAD FURNITURE REPAIR WORKS				
1	Refurbishment of existing signboards of all size except gantry mounted ones to their original reflectivity & position by removing obstructions like overgrowth vegetation etc ,if any, washing the signboards with water & soap solution to remove all dirt, oil etc. , correcting any dislocations including minor repairs, replacement of lost nut and bolts etc complete.				
a	Supply of Labour	Day	50.00		
2	Supply of welders for Repairing of Hand rails(including cutting,bending, welding, Painting and fixing)with consumables	Day	20.00		
3	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads on Bituminous Surface @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.	Sqm	3,000.00		

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4	Maintenance of lawn with fine grassing for the first year including watering etc				
a	Supply of labour with tools	Day	25.00		
b	Watering for plants including vehicle ,Labour etc	Ltr	3,00,000.00		
10	SUPPLY OF MATERIALS FOR O&M				
1	Providing and fixing of retro- reflectorized cautionary, mandatory and informatory sign with 7years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting vide clause 801.3.3 fixed over aluminium sheeting, 2 mm thick/ aluminium composite material sheeting 4 mm thick with suitable back supporting frame of MS angle 25x25x3 and supported on GI pipe pole 50mm NB conforming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc.	No	25.00		
2	Repair of footpath tiles including cost of material and labour.	Sqm	5.00		
3	Providing and fixing reflective road studs (Raised Pavement Marker) of ' category A' made out of ASA/HIPS/ABS moulded body with shanks and conforming to ASTM D 4280, strong enough to support a load of more than 13.635 T when tested in accordance with ASTM D 4280, reflective panel conforming to ASTM D 788, and reflectivity conforming to clause 804.4. including installation, drilling, fixing with adhesive etc. with 2 years warranty for the road stud as well as for in field performance as per clause 804.7.3	No	150.00		
4	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 811.3	Mtr	Rate Only		

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5	Supplying and installation of delineator (Road way indicators) posts 80- 100cm high above ground level, painted black and white in 15 cm wide strips, fitted with min. 80 x 100 mm rectangular or 75 mm dia circular retro reflectorized panels at the top with minimum visibility of 300m with provisions to prevent edge lifting and vandalism, and conforming to clause 806 , IRC-79 and the drawings including fixing to ground (The delineator shall be of approved type as per specification)	No	25.00		
6	Repair of LED solar Blinkers	No	20.00		
7	Supply of posts for sign board including fixing and painting	No	10.00		
8	Supply of 300mm Plastic 'High Visibility' coloured traffic cones.	No	50.00		
11	SUPPLY OF EQUIPMENTS FOR O&M				
1	Supply of JCB for cleaning works	Hr	50.00		
2	Supply of Tipper for cleaning works	Day	10.00		
3	Supply of Concrete Breaker	Day	15.00		
4	Supply of Diesel Generator of 5000 Watts including fuel	Day	15.00		
	Part II : Supply Of PMU Labours				
1	Supply of Unskilled Labour for PMU	Day	1,500.00		
B	Patrol Maintenance Vehicle				
1	Supply of Mahindra Pickup vehicle with Driver & fuel	Month	Rate Only		
	Total Patrol Maintenance Vehicle				
C	Project Vehicle Running expenses				
1	Supply of Drivers for Project vehicle at RICK Ltd	Month	12.00		
2	Supply of diesel for Project vehicles	Ltr	3,600.00		
3	Routine services & Repair charges for Vehicles	Ls	1.00		
	Total Amount (Rs)				
	Total Amount in words				

Place:

Signature of the Contractor: